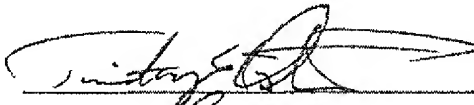


Declaration of Timothy E. Ostromek

1. My name is Timothy E. Ostromek. I am over the age of twenty-one (21) years, of sound mind and capable of making the statements set forth in this Declaration. I am competent to testify to matters set forth herein. All the facts and statements contained herein are within my personal knowledge and they are, in all things, true and correct.
2. I received a bachelors of science degree in Physics from Cleveland State University in 1988, a master of science degree in Physics from Michigan State University in 1990, and a doctor of philosophy in Physics from University of Texas at Dallas in 1996. I have worked for Litton Electro-Optical Systems, a subsidiary of Northrop Grumman Corporation for ten (10) years (see attached Biography). My current position at Litton Electro-Optical Systems, a subsidiary of Northrop Grumman Corporation is Senior Technology Officer.
3. I am an inventor of subject matter claimed in United States Patent Application 10/699,985 and am currently employed by an affiliate of the assignee.
4. I have read cited portions of United States Patent 4,462,046 (hereinafter, Spight) and United States Patent 5,224,174 (hereinafter, Schneider). Spight is an analog Fourier correlator that is intended to be installed in a manufacturing environment. The Fourier correlator serves as a vision system to help with robots that interact with objects in the manufacturing environment. The vision system uses light to identify the position and orientation of objects on, for example, and assembly line.
5. The system of Schneider is a fingerprint imaging system that uses ultrasound to scan the surface of the finger and some portion under the surface of the finger. Schneider is concerned with acquiring a very accurate image of the fingerprint in order to perform pattern recognition thereon. The Schneider system requires contact between the object surface being imaged and a surface of the system.
6. It would have been unclear to a person of ordinary skill in the art at the filing of the present application how to combine the systems of Spight and Schneider to

include target detecting ability. For example, the system of Schneider relies on ultrasound to provide the precision that it needs for high-quality fingerprint scans. However, to provide ultrasound capability, contact must be made by a surface being imaged and a surface of the Schneider machine. It is not clear how such contact can be made without interfering with the operation of the assembly line or the movement of the robots in Spight. One of ordinary skill in the art at the time the present application was filed would have found the systems of Spight and Schneider too disparate to combine for at least the above-articulated reason.

7. I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code.



Timothy E. Ostromeck



Dr. TIMOTHY E. OSTROMEK
Senior Technology Officer
Northrop Grumman - EOS

EDUCATION

Adjunct Professor of Physics, University of Texas at Dallas 2006
Visiting Professor of Physics, University of Texas at Dallas 1997
Ph.D. Physics, University of Texas at Dallas, Richardson, TX 1996
M.S. Physics, Michigan State University, East Lansing, MI 1990
B.S. Physics, Cleveland State University, Cleveland, OH 1988

RESEARCH AND WORK RELATED ACTIVITIES

Tim Ostromek is the Senior Technology Officer and is a leader in the technical concept and business development of Northrop Grumman EOS. Tim's previous experience involved the theoretical and experimental investigation of semiconductors, semiconductor heterostructures and optical systems. Tim brings the application of theoretical physics, advanced mathematical methods and extensive experience in materials analysis techniques to the development of new electro-optical science and products. In the course of his work, he has acquired experience in utilizing many different electronic and electro-optical methods to achieve specific development objectives. Some of these methods include advanced high speed digital electronics, optical transfer systems, solid state lasers and neural network system design and analysis. Tim has developed noise and signal theories with direct applications to the hardware and software of laser rangefinders and other detector based systems. Tim has produced peer reviewed publications, presentations, and patents and is currently an Adjunct Professor of Physics at The University of Texas at Dallas. Tim is a member of the American Physical Society, Sigma Xi, SPIE and IEEE.

Product development includes digital image fusion, goggles, weapon sights, drivers viewers, targeting systems, man portable surveillance, crew serve applications, helicopter and fixed wing, ground sensors and UAVs as well related sensors and sensor networks. Clients and customers include SOCOM, US Army CECOM, USMC, NSWC, USAF, FBI, US Coast Guard, UK MOD and other Defense and Security Departments from around the world.

Technical and engineering program management lead on US Army CECOM ETLOS, ENVG, FMWS and US SOCOM ETS programs. Technical and engineering program management team member on US Army CECOM DENVG and DFCU programs.

Dr. Ostromek resides in Dallas with his wife Rhonda and daughter Lydia.